

<b>Reference</b>	SSM72254
<b>Models</b>	F-PACE / X761 F-TYPE / X152 XE / X760 XF / X260 XJ / X351
<b>Title</b>	8HP45/75 Automatic Transmission Oil Leak
<b>Category</b>	Driveline
<b>Last modified</b>	19-Sep-2018 00:00:00
<b>Symptom</b>	501000 Automatic Transmission Concerns
<b>Attachments</b>	1111Sump 2.pdf (1111Sump 2.pdf) 1121Sump Leak EG.pdf (1121Sump Leak EG.pdf) 11Sump Pan Breakaway Torques.docx (11Sump Pan Breakaway Torques.docx)
<b>Content</b>	<p><b><u>Issue:</u></b> Automatic transmission oil leaks (8HP45/75) resulting in transmission sump replacements.</p> <p><b><u>Cause:</u></b> Unknown at this time and Engineering investigating root cause.</p> <p><b><u>Action:</u></b> To ensure correct diagnosis and repair please carry out the following steps:</p> <ol style="list-style-type: none"> <li>1. Raise vehicle on ramp</li> <li>2. Using a suitable degreaser, thoroughly degrease the suspected component all the way around as well as, approximately, 25-50mm (1-2 inches) above the suspected leak</li> <li>3. Using an air gun, make sure all traces of oil are removed from the bolts/thread attached to the sump pan.</li> <li>4. Using a suitable leak detector spray, thoroughly coat the suspected component as well as, approximately, 25-50mm (1-2 inches) above the suspected leak, C2C42090</li> <li>5. Allow to sit for a couple minutes to ensure all oil has been cleaned off</li> <li>6. Take a clear, in focus photo of the spray on the suspected area before proceeding.</li> <li>7. Reassemble vehicle and complete a suitable road test and make sure that the engine gets to normal operating temperature</li> <li>8. Return the vehicle to workshop and raise on ramp</li> <li>9. Inspect the suspected component for fluid leaks, the detector spray should leave a trace from the leak area</li> <li>10. Identify leaking position: <ul style="list-style-type: none"> <li>o If a leaking point has been identified on the sump pan, take a clear, in focus photo of the leaking position. Proceed to 10.</li> <li>o If a leaking point has not been identified, proceed to 11</li> </ul> </li> <li>11. At the customer's convenience, raise a TA attaching photos of the sump pan requesting a visit from ZF MS engineering. The TA will advise whether to proceed with repair or whether a ZF engineer will visit the site.</li> <li>12. If a leaking position has not been identified, check the following areas: <ul style="list-style-type: none"> <li>o Check Technical Bulletins reference Automatic Transmission leaks</li> <li>o Transmission output shaft seal</li> <li>o Transmission oil cooler pipes not secured correctly</li> <li>o Transmission electrical plug</li> </ul> </li> <li>13. If a sump pan replacement is required, record the breakaway torques for the sump pan bolts (as detailed in attachment) and raise an EPQR attaching photos of leak and breakaway torque attachment.</li> </ol> <p>Technicians - Please rate this SSM and provide comments so that future communications can be improved.</p> <p>1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.</p> <p>3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.</p> <p>5 = Excellent – All required information provided to resolve the customer concern.</p>